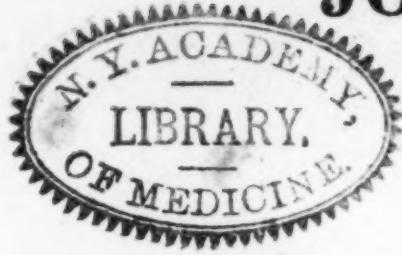


*Doct July*

# JOURNAL



OF THE

PHILADELPHIA COLLEGE OF PHARMACY.

EDITED BY

R. E. GRIFFITH M. D.

ASSISTED BY A PUBLISHING COMMITTEE, CONSISTING OF

DANIEL B. SMITH, CHARLES ELLIS, JOSEPH SCATTERGOOD,

AND

GEORGE B. WOOD, M. D.

Professor of Materia Medica in the College &c.

---

VOLUME V.

No. IV.—JANUARY, 1834.

---

Philadelphia:  
PUBLISHED BY THE COLLEGE.

PRINTED BY W. P. GIBBONS—S. W. CORNER OF SIXTH AND CHERRY STS.

Price \$2 50 a year, in advance.



## PREFACE.

IN terminating the fifth volume of the Journal of the Philadelphia College of Pharmacy, we gladly avail ourselves of the opportunity to make a few observations on the subject of the work itself, and the difficulties which have been overcome in presenting it to its patrons at the stated periods. Without arrogating to ourselves any praise, we would draw attention to the visible improvement that has gradually taken place in its contents; as besides a great increase in the number and value of original articles, it presents an abstract of most of the interesting matter contained in the foreign journals, which is in any way connected with pharmaceutical science, and we can confidently assert that it affords more valuable chemical information than is to be met with in any other periodical work in this country.

The difficulties attendant on its publication have been of the most discouraging nature, as besides the want of punctuality in too many of the subscribers, the publication committee have experienced the greatest unwillingness on the part of the pharmaceutical profession to benefit others by a communication of the results of their observation and experience. In fact, the existence of the Journal has depended in a great measure on the personal exertions of the committee, and it will be perceived on a reference to its pages, that for a majority of the original articles we have been indebted to distinguished individuals, not enrolled in our ranks.

The great object has been to render the Journal, an eminently practical work, but this it has been impossible to ac-

complish, deprived as it has been of the aid of those from whom alone the materials for this purpose are to be obtained. It is hoped, however, that this will not in future be the case, and that the members of the College, and others engaged in pharmaceutical pursuits will enable the committee of publication to render the work under their charge, still more worthy of patronage.

In conclusion; we would draw the attention of our readers to the proposal made by our learned contributer Mr. H. D. Rogers, to analyse the mineral waters of the United States, and to publish the results of his examination in this Journal. Any specimens of mineral water transmitted to the editor, will be handed to Mr. Rogers for this purpose; and we would suggest to our correspondents that a short account of the spring from whence the water is taken would add much to the interest and value of their communications.

## CONTENTS.

### No. I.

#### ORIGINAL COMMUNICATIONS.

On the preparation of Magnesia and its Salts from Magnesite. By E. Durand. - - - -	1
Process for preparing Gallic Acid. By David Stewart, of Baltimore. - - - -	11
On the Alum and Copperas Manufactory of Cape Sable, Md. By E. Durand. - - - -	12
Remarks on the Neutral Mixture. By Joseph Scattergood. - - - -	16
On Officinal Tinctures. By Jos. Bringhurst, Wilmington, Del. - - - -	19
Patent Medicines. - - - -	20
Pharmaceutical Notices, No. 7. - - - -	31
On Labaraque's liquid. By C. C. C. Cohen. - - - -	37

#### SELECTED ARTICLES.

Preparation of Crystallized Acetic Acid and Acetic Ether. By M. Seville Auger. - - - -	40
On the Transformation of Hydrocyanic Acid and the Cyanides into Ammonia and Formic Acid. By M. J. Pelouze. - - - -	43
Experiments on the Solidification of raw Gypsum. By John P. Emmett. - - - -	48
On the Chemical History of Meconine. By M. Couerbe. - - - -	52
On the Coca. By Alexander Cochet. - - - -	58
Specific Gravity of Volatile Oils. By M. Guibourt. - - - -	59
On Paraffin and Eupion. - - - -	61
On the Lactucarium and Thridace. By A. Chevallier. - - - -	66
On the Composition of Tartar Emetic. By R. Brandes and C. Wardenberg. - - - -	68
On the Euphorbia Hypericifolia. By Wm. Zollickoffer, of Baltimore. - - - -	70
MINUTES OF THE COLLEGE. - - - -	75
MISCELLANY. - - - -	81

## No. II.

## ORIGINAL COMMUNICATIONS.

Remarks on Digitalis. By Watson J. Welding.	89
Improved Siphons. By R. Hare, M. D. Professor of Chemistry in the University of Pa.	92
On the Preparation of Phosphurets of Lime. By Daniel B. Smith,	94
On some Chemical Arts known to the Aborigines of North America. By Jacob Green, M. D., Professor of Chemistry in Jefferson Medical College.	94
Remarks on Extemporaneous Pharmacy. By Thomas H. Powers.	99
Pharmaceutical Notices, No. 8.	111
On Daturia. By Samuel Simes,	114
On the Chlorides of Oxides. By E. Durand.	121

## SELECTED ARTICLES.

Observations on the Apocynum cannabinum. By John H. Griscom, M. D.	126
Ancient Plants of Egypt. By M. Bonastre.	137
Remarks on the Juribali, or Euribali. By John Hancock, M. D.	144
New Researches on Opium. By S. Pelletier.	150
On the Medical Properties of the Piscidia erythrina. By William Hamilton.	159
Remarks on the Euphorbia corollata. By William Zollickoffer, M. D.	163
MISCELLANY.	169

## No. III.

## ORIGINAL COMMUNICATIONS.

Remarks on Chenopodium anthelminticum. By R. Eglesfeld Griffith, M. D.	177
On the Metals known to the Aborigines of North America. By Jacob Green, M. D. Professor of Chemistry in Jefferson Medical College.	182
Essay on the Analysis of Mineral Waters, together with a new Analysis of Saratoga Water &c. By C. C. Cohen.	186
Process for the extemporaneous evolution of Iodine. By Robert Hare, M. D. Professor of Chemistry in the University of Pennsylvania.	194

Improved Apparatus for showing the Spontaneous Combustion of Phosphorus in Chlorine. By the author of the preceding communication. - - - - -	195
Experiments on Nicotianum Tabacum and Nicotine. By J. C. Turnpenny. - - - - -	198
Experiments on Galipœa Officinalis. By Thos. J. Husband, 202	
Remarks on the Vegetable Cathartics of the United States. By John C. Allen. - - - - -	205
Some remarks on the Nomenclature of the celebrated Berzelius, with some suggestions respecting its amendment. By R. Hare, M. D. Professor of Chemistry in the University of Pennsylvania. - - - - -	209

## SELECTED ARTICLES.

Instruction for the Gathering and Preservation of Plants for Herbaria. By Charles W. Short, M. D. - - - - -	218
New Researches on Opium. By S. Pelletier, (2d part.) 227	
Apparatus and Processes. By Robert Hare, M. D. Professor of Chemistry in the University of Pa. - - - - -	237
On the Apocynum Androsæmifolium. By William Zellickoffer, M. D. - - - - -	252
MINUTES OF THE COLLEGE. - - - - -	255
MISCELLANY. - - - - -	257

## No. IV.

## ORIGINAL COMMUNICATIONS.

On Acorus Calamus. By R. Eglesfeld Griffith, M. D. 265	
Note on James' Powder. By J. R. Coxe, M. D. Professor of Materia Medica &c. in the University of Pa. 270	
On Poisoning with the Preparations of Chrome. By T. J. Ducatel, M. D. Professor of Medical and Pharmaceutical Chemistry, University of Maryland. 272	
On the proposed method of Analysing Mineral Waters by Alcohol. By Henry D. Rogers. - - - - -	279
On the Vegetable Tonics of the United States. By R. Eglesfeld Griffith, M. D. - - - - -	284
Pharmaceutical Notices.—No. 9. - - - - -	291
Note on Egyptian Opium. By J. Scattergood. - - - - -	296
Medico-Botanical Notices.—No. 1. - - - - -	207
On the active principle of Lobelia inflata. By S. Colhoun, Professor of Materia Medica in Jefferson Medical College, Philadelphia. - - - - -	300

Some remarks on the Pottery used by the Aborigines of North America. By Jacob Green, M. D. Professor of Chemistry in Jefferson Medical College. 302

## REVIEWS.

The Dispensatory of the United States of America. By George B. Wood, M. D. Professor of Materia Medica and Pharmacy in the Philadelphia College of Pharmacy &c. &c.; and Franklin Bache, M. D. Professor of Chemistry in the Philadelphia College of Pharmacy &c. &c. 309

Manual of Practical Toxicology: condensed from Dr. Christison's Treatise on Poisons; with Notes and Additions. By J. T. Ducatel, M. D. Professor of Chemistry and Pharmacy in the University of Maryland &c. &c. 310

Botany of the Northern and Middle States; or a description of the plants found in the United States, north of Virginia, arranged according to the Natural System; with a Synopsis of the Genera according to the Linnæan System. A sketch of the rudiments of Botany, and a Glossary of Terms. By Lewis C. Beck, M. D. Professor of Chemistry and Natural History in Rutger's College, N. J. &c. 315

Dictionnaire de l'Industriel Manufacturière, Commerciale et Agricole. Ouvrage accompagné d'un grand nombre de figures intercalées dans le texte &c. 316

## SELECTED ARTICLES.

On the Filter Press of Real, its mode of action and inconveniences, and a more simple means of obtaining the same results. By Messrs. Boullay, Senr. and Junr. 318

On the Aromatic Roots and Seeds of the Scitamineæ. By N. J. B. G. Guibourt. 321

On the influence of Oxygen in the preparation of Volatile Oils and distilled Waters. By J S. Desmarest. 336

Apparatus for transferring a liquid from a carboy or cask to bottles. By Robert Hare, M. D. Professor of Chemistry in the University of Pennsylvania. 338

Remarks on the Memoir on *Ipomæa jalapa*, by D. B. Smith, (Jour. Phil. Col. Pharm.) By N. J. B. G. Guibourt. 339

On Oxalhydric Acid. By M. Guerin. 343

MISCELLANY. 345





## INDEX I.

### *Authors of Articles in the Fifth Volume of the Journal of the Philadelphia of College of Pharmacy.*

<i>Allen, J. C.</i> Remarks on vegetable cathartics of the U. S.	205
<i>Allen, S.</i> On poppy oil,	169
<i>Ashley, Wm.</i> Anthemis cohita	297
<i>Auger Sebille.</i> Acetic acid and acetic ether,	40
<i>Becquerel.</i> Manufacture of potashes,	86
<i>Biozi, B.</i> Preparation of kermes mineral,	87
<i>Boettcher.</i> On ergot,	258
<i>Bonastre.</i> Ancient plants of Egypt,	137
<i>Boullay, Senr. and Junr.</i> On the filter press of Real,	318
<i>Bradenburgh.</i> Pure nitrate of silver,	264
<i>Brandes, R. and Wardenberg, C.</i> Composition of tartar emetic,	68
<i>Bringhurst, Jos.</i> On officinal tinctures,	19
<i>Brown, S. W.</i> Benzoin and Benzoic acid,	113
<i>Cassola.</i> Action of ether on sulphate of indigo,	264
<i>Cedie.</i> Citrine ointment,	262
<i>Chevalier, A.</i> Lactucarium and thridace,	66
<i>Chevreul.</i> Creatine,	84
<i>Cochet, Alex.</i> On the coca,	58
<i>Cohen, C. C. C.</i> Labarraque's liquid,	37
"    "    Analysis of mineral waters,	186
<i>Colhoun, S.</i> Active principle of lobelia,	300
<i>Cooke, J.</i> Test for balsam copaiba,	33
<i>Corriol.</i> Acids in nux vomica,	351
<i>Couerbe.</i> Chemical history of meconine,	52
<i>Coxe, J. R.</i> On James' powders,	270
<i>Cules.</i> Pate de guimauve,	173
<i>Dakin, C.</i> Amber and copal varnish,	261
<i>Deschamps.</i> Adhesive plaster,	84
<i>Dermarest.</i> Volatile oils &c.	336
<i>Don, G.</i> Plant furnishing gum ammoniac,	261
<i>Dubail.</i> Adulterations,	349
Cascarilla,	349

<i>Ducatel, T. J.</i> Transparent caustic potassa,	81		
On poisoning with chrome salts	272		
<i>Duflos.</i> Salicine,	350		
<i>Dumas.</i> Chlorides of sulphur,	85		
<i>Durand, E.</i> Magnesia and its salts from magnesite,	1		
Alum and copperas manufactory, Cape Sable,	12		
Pharmaceutical notices,	31		
Chlorides of oxides,	121		
Citric acid,	111		
<i>Emmet, J. P.</i> Solidification of raw gypsum,	48		
<i>Epps.</i> New species of opium,	175		
<i>Etmuller.</i> Cure for the tooth ache,	170		
<i>Everett.</i> Adulterations of hydriodate of potassa,	175		
<i>Folix.</i> Protocarbonate of iron,	83		
<i>Galvini.</i> Preparation of morphia,	84		
<i>Ganassini.</i> Chlorate of potassa,	176		
<i>Green, Jacob.</i> Chemical arts of the aborigines of North America,	94		
Metals known to	do.	do.	182
Pottery of	do.	do.	302
<i>Griffith, R. E.</i> Chenopodium anthelminticum,	177		
Acorus calamus,	265		
Vegetable tonics of the United States,	284		
<i>Griscom, J. H.</i> Apocynum cannabinum,	126		
<i>Groscurdy.</i> Iodic acid,	59		
<i>Guibourt, N. J. B. G.</i> Specific gravity of volatile oils,	347		
On the Scitamineæ,	321		
Ipomæa jalapa,	329		
<i>Guerin.</i> Malic acid,	169		
Mucic acid,	170		
Oxalhydric,	343		
<i>Hamilton, W.</i> Piscidia erythrina,	159		
<i>Hancock, J.</i> Remarks on the juribali,	144		
<i>Hare, R.</i> Improved syphons,	92		
Extemporaneous evolution of iodine,	194		
Combustion of phosphorus in chlorine,	195		
Remarks on the nomenclature of Berzelius,	209, 256		
Improvement on Brunner's process for potassium,	237		
Explosive compound of naphtha and potassium,	240		
Filling tubes with potassium,	241		
Silicon from fluo-silicic gas,	243		
Evolution of Boron,	246		
Valve cock,	249		
Carbonic oxide from carbonic acid,	251		
Apparatus for transferring corrosive liquids,	339		

<i>Hodgson, W.</i> Pharmaceutical notices, . . . . .	35. 295
<i>Hopper, E.</i> Physick's issue ointment, . . . . .	112
<i>Henry, D.</i> Preparation of delphine, veratrine &c., . . . . .	175
<i>Liebig, J.</i> Caustic potassa, . . . . .	83
<i>and Wohler.</i> Peroxide of barium, . . . . .	87
<i>Marmers, O. de.</i> Recipe for gonorrhœa, . . . . .	174
<i>Martius.</i> Sarsaparilia, . . . . .	259
<i>Matteuci.</i> Chemical composition of vegetable acids, . . . . .	81
<i>Mc Clinton, T.</i> Adhesive plaster, . . . . .	33
<i>Moldenhauer.</i> Protocarbonate of iron, . . . . .	83
<i>Morries.</i> Oil of digitalis, . . . . .	262
<i>Muller.</i> Crystals in oil of cubeb, . . . . .	82
<i>Pelletier, S.</i> New researches on opium, . . . . .	150. 227
Aricine, quinine and cinchonine, . . . . .	259
<i>Pelouze, J.</i> Transformation of hydrocyanic acid into ammonia and formic acid, . . . . .	43
Hydrate of phosphorus, . . . . .	88
Chemical agency of water, . . . . .	345
<i>Pezzina.</i> Hydrocyanate of quinine, . . . . .	81
<i>Pigeux.</i> Instantaneous vesication, . . . . .	174
<i>Planche.</i> Action of Magnesia on valerian, . . . . .	344
<i>Powers, T. H.</i> Remarks on extemporaneous pharmacy, . . . . .	99
<i>Raspail.</i> Arrow root, . . . . .	345
Cotton lint and bandages, . . . . .	170
<i>Richenbach.</i> Paraffin and Eupion, . . . . .	61
<i>Robiquet.</i> New principle in opium, . . . . .	175
<i>Rodgers, H. D.</i> Analysis of mineral waters, . . . . .	279
<i>Rose.</i> Phosphuretted hydrogen, . . . . .	259
<i>Rousseau.</i> Febrifuge powers of the holly, . . . . .	174
<i>Saladin.</i> Cusparine, . . . . .	346
<i>Scattergood, J.</i> Neutral mixture, . . . . .	16
Egyptian opium, . . . . .	296
<i>Serullaz.</i> Protoxide of azote, . . . . .	86
<i>Short, C. W.</i> Plants for herbaria, . . . . .	218
<i>Sizs, S.</i> On daturia, . . . . .	114
<i>Smith, D. B.</i> Preparation of Phosphurets of lime, . . . . .	94
<i>Solon, M.</i> Root of elder in dropsy, . . . . .	176
<i>Stewart, D.</i> Process for gallic acid, . . . . .	11
Process for rhubarb syrups, . . . . .	33
<i>Thubeuf.</i> New substance from sarsaparilla, . . . . .	174
<i>Turnpenny, J. C.</i> Nicotianum tabacum, . . . . .	198

<i>Vee.</i> Manufacture of chlorate of potash, . . . . .	350
<i>Walsh J. M.</i> Arrow root, . . . . .	348
<i>Wardenberg, C. and R. Brandes.</i> Composition of tartar emetic, . . . . .	68
<i>Welding, W. J.</i> Digitalis, . . . . .	89
<i>Wiess.</i> Improvement of iron and steel, . . . . .	88
<i>Wiggers.</i> Analysis of ergot, . . . . .	258
<i>Wohler.</i> Manganeseate of potash, . . . . .	352
Crystallization of iron, . . . . .	352
<i>Liebig.</i> Peroxide of Barium, . . . . .	87
<i>Zollickoffer, W.</i> <i>Euphorbia hypericifolia</i> , . . . . .	70
<i>Euphorbia corollata</i> , . . . . .	163
<i>Apocynum androsæmifolium</i> , . . . . .	252
<i>Zuber, Z.</i> Test for purity of chromate of potassa, . . . . .	264

## INDEX II.

*Subjects of articles in the Fifth Volume of the Journal of the  
Philadelphia College of Pharmacy.*

Aborigines, chemical arts of . . . . .	94
metals known to . . . . .	182
pottery of . . . . .	302
Acetic acid and ether, preparation of . . . . .	40
Acid gallic . . . . .	11
iodic . . . . .	347
hydrocyanic . . . . .	173
transformation of . . . . .	43
poison for vegetables . . . . .	262
kinic, . . . . .	345
malic . . . . .	169
mucic . . . . .	170
oxalhydric . . . . .	345
vegetable composition of . . . . .	81
in nux vomica . . . . .	351
Acorus calamus, observations on . . . . .	265
Adulterations . . . . .	349
Alcohol, to remove smell of . . . . .	85
Alum and copperas, manufactory of . . . . .	12
Amber and copal, to dissolve . . . . .	261
Ammoniac gum, plant furnishing . . . . .	261
Analysis of mineral waters . . . . .	186
Anderson's Scots pills . . . . .	25
Anthelmintic emulsion . . . . .	259
Antimony, precipitated sulphuret of . . . . .	32
Anthemis cotula, . . . . .	297
Apocynum androsaemifolium, observations on . . . . .	253
cannabinum . . . . .	126
Apparatus for silicon from fluo-silicic gas . . . . .	243
evolution of boron . . . . .	246
separating carbonic oxide from carbonic acid . . . . .	257
spontaneous evolution of iodine . . . . .	194
combustion of phosphorus in chlorine . . . . .	195
transferring corrosive fluids . . . . .	338
Aricine . . . . .	259
Arrow root . . . . .	345, 348
Otaheitan . . . . .	173
Azote, protoxide of . . . . .	87

Balsam copaiba, test for	33
Turlington's	28
Barium, protoxide of	87
Bateman's pectoral drops	25
Battley's sedative	260
Bdellium, tree producing	139
Benzoin and benzoic acid	113
Berzelius, remarks on nomenclature of	209, 257
Black drop	260
Boron, apparatus for evolution of	246
Brass, to water (moiré)	172
British oil	29
Camphor of Borneo	176
Caoutchouc	87
Cardamoms, varieties of	332
Carminative, Dalby's	27
Deweese's	102
Carbonic oxide from carbonic acid	251
Cascarilla	349
Cathartics, vegetable of the U. S.	205
Cerates	109
Chemical arts of aborigines N. A.	94
Chenopodium anthelminticum, observations on	177
Chameleon mineral	292
Chlorides of oxides, remarks on	121
of gold and sodium	172
Chromate of potassa, test for purity of	264
Chrome, poisoning with preparations of	272
Cinchonine	259
Citrate of potassa	291
Citric acid	111
Citrine ointment	262
Coal, analysis of	292
Coca, observations on	58
Confections	31
Conserve of roses	32
Copaiba balsam, test for purity of	33
Copal and amber, to dissolve	261
Copperas and alum, manufactory of	12
Costus, varieties of	321
Creatine	84
Cubebs, crystals formed in oil of	82
Curcuma, varieties of	325
Cusparine	346
Dalby's carminative	27
Daturia	114
Decoctions and infusions	104

Delphine	175
Deweese's carminative	102
Digitalis, remarks on	89
oil of	262
Diospyros lotus	138
Egypt, ancient plants of	137
Elder, root of in dropsy	176
Emplastrum assafeditæ	36
tartaric emetic	295
Emulsions	101
anthelmintic	259
Ergot	172
analysis of	258
Ether, action of on sulphate of indigo	264
Euphorbia corollata, remarks on	163
hypericifolia	70
Eupion and paraffin	61
Explosive compound	240
Extractum belladonnæ	293
Humuli	294
Hyoscyami	289
Jalapæ	34
Podophylli	35
Filter press of Real, remarks on	318
Galanga, varieties of	323
Galipæa officinalis, experiments on	202
Gallic acid, process for	11
Glass, to cut without breaking	172
Godfrey's cordial	26
Gold and sodium, chloride of	172
Gonorrhœa, prescription for	174
Guimauve Pate de	173
Gum senegal	348
Gypsum, solidification of raw	48
Herbaria, mode of forming	218
Holly, febrifuge powers of	174
Hooper's pills	24
Hydrogen, phosphuretted	259
Hydrocyanic acid,	173
transformation of	43
poison for vegetables	262
Indigo, sulphate of, action of ether on	264
Infusions and decoctions	104
Ink, indellible	346

Ink spots, to remove	259
Iodic acid	347
Iodine, process for spontaneous evolution of liniment	134 291
Ipomœa jalapa, observations on	339
Iron and steel, improvement in quality of	88
Iron, protocarbonate of	83
crystallization of	352
James' powders, remarks on	270
Juribali, remarks on	144
Kermes mineral	87
Kinic acid	345
Labarraque's liquid, observations on	37
Lactucarium and thridace	66
Laurus cinnamonum and cassia	299
Lime, phosphurets of	94
Liniments	110
iodine	294
Lobelia inflata, active principle of	300
Lupuline	295
Lute for wine &c.	172
Magnesia and its salts, manufacture of	1
action on valerian	349
Malic acid, artificial	168
Manna from Australia	86
Meconine, chemical history of	52
Medicines, patent,	20
Medico-botanical notices, No. 1	297
Metals known to the aborigines	182
Metallic oxides, crystallization of certain	345
Mimusops	138
Mineral waters, analysis of	186. 279
Minutes of the College	75. 255
Mistura ferri composita	35
Mixtures	100
Morphia	35. 84
muriate of	260
Moxa	295
Mucic acid	170
Myrobalan of Egypt	139
Myrrh. tree producing	139
analysis of new species	141
Neutral mixtures, remarks on,	16
Nicotiana tabacum, experiments on	198

Nitrate of silver, pure	264
Nux vomica, acids in	351
Oils volatile, specific gravity of	59
poppy	169
Oleum tiglii	294
valerianæ	294
Ointments	109
citrine	262
Physick's issue	112
tartar emetic	295
Opodeldoc, Steer's	28
Opium, new researches on	150. 227
new species of	175
Opium, new principle in	177
Egyptian	296
Paraffin and Eupion	61
Patent medicines	20
Pharmacy extemporaneous, remarks on	99
Pharmaceutical notices	31. 111. 291
Phosphorus, hydrate of	88
combustion in chlorine	195
Pills	105
Hooper's female	24
Anderson's Scott's	25
Piscidia erythrina	159
Plants of ancient Egypt	137
Plasters	109
adhesive	33
new	84
assafætida	36
tartar emetic	295
Poisons, antidote to certain	173
Potassa caustic	83
transparent	81
hydriodate of	175
chlorate of	176
chromate, test for purity of	264
citrate of	291
manganesiate of	352
Potashes, manufacture of	86
Potassium, improved on Brunner's process for	237
and naphtha, explosive compound	240
method of filling tubes with	241
Pottery of the aborigines of North America,	302
Powders	108

Prussian blue	347
Quinine	259
hydrocyanate of	81
sulphate adulteration of	293
Reviews.	
<i>Dispensatory of the United States, 2d ed.</i>	309
<i>Manual of Practical toxicology, by J. T. Ducatel, M. D.</i>	310
<i>Botany of the Northern and Middle States, by L. C. Beck, M. D.</i>	315
<i>Dictionnaire de l'Industrie Manufacturière &amp;c.</i>	316
Rhamnus lotus	142
Roses, conserve of	32
Salicine	350
Sarsaparilla, new substance from plants furnishing	174 259
Secale cornutum	172, 258
Silicon, apparatus for evolving	243
Silver, pure nitrate of	264
chloride decomposition of	264
Soda water extra	292
Solanine	175
Spirit of wood	349
Steer's opodeldoc	28
Styrax true, plant furnishing	260
Sulphur, chlorides of	85
precipitatum	292
Syphons improved	92
Syrups	31
<i>rhei et rhei cum senna</i>	33
<i>strawberry</i>	350
Tartar emetic composition of	68
plasters	295
ointment	295
Thridace and lactucarium	66
Tinctures	111
<i>officinal, remarks on</i>	19
Tonics, vegetable of the U. S.	284
Toothache, cure for	170
Turlington's balsam	28
Valve cock	249
Veratrine	175
Vesication, instantaneous	174
Volatile oils, specific gravity of preparation of	59 336

*Index.* 363

Water, chemical agency of	170
medicated	110
Wood, spirit of	347
Yellows, vegetable	263
Zedoary	323